

# Maryland Historical Trust

Maryland Inventory of Historic Properties number:

WM-10-17

Name:

Frederick County, Maryland

The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridge received the following determination of eligibility.

MARYLAND HISTORICAL TRUST	
Eligibility Recommended _____	Eligibility Not Recommended <u>X</u>
Criteria: <u>  </u> A <u>  </u> B <u>  </u> C <u>  </u> D Considerations: <u>  </u> A <u>  </u> B <u>  </u> C <u>  </u> D <u>  </u> E <u>  </u> F <u>  </u> G <u>  </u> None	
Comments: _____	
_____	
_____	
Reviewer, OPS: <u>Anne E. Bruder</u>	Date: <u>3 April 2001</u>
Reviewer, NR Program: <u>Peter E. Kurtze</u>	Date: <u>3 April 2001</u>

Done

✓

Maryland Inventory of Historic Properties  
Historic Bridge Inventory  
Maryland State Highway Administration  
Maryland Historical Trust

MHT Number M:10-77

Name and SHA No. M 8 over Bennett Creek

**Location:**

Street/Road Name and Number: Barnes Road over Bennett Creek

City/Town: Damascus Vicinity   

County: Montgomery

Ownership:   State X County   Municipal   Other

This bridge projects over:   Road   Railway X Water   Land

Is the bridge located within a designated district:   yes X no

  NR listed district   NR determined eligible district

  locally designated   other

Name of District                                   

**Bridge Type:**

  Timber Bridge

  Beam Bridge   Truss-Covered   Trestle

  Timber-and-Concrete

  Stone Arch

  Metal Truss

  Movable Bridge

  Swing   Bascule Single Leaf   Bascule Multiple Leaf

  Vertical Lift   Retractable   Pontoon

X Metal Girder

X Rolled Girder   Rolled Girder Concrete Encased

  Plate Girder   Plate Girder Concrete Encased

  Metal Suspension

  Metal Arch

☐ Metal Cantilever

☐ Concrete

☐ Concrete Arch ☐ Concrete Slab ☐ Concrete Beam

☐ Rigid Frame

☐ Other Type Name \_\_\_\_\_

**Description:**

**Describe Setting:**

Bridge No. M 8 carries Barnes Road north-south over Bennett Creek in Montgomery County, Maryland. The bridge is located in a light to moderately wooded area. Overhead utility lines traverse the creek parallel to the east side of the bridge.

**Describe Superstructure and Substructure:**

Bridge No. M 8, was built in 1925, and reconstructed in 1974, is a single span bridge with a total length of 38'. The structure has a clear roadway width of 16'-6" and is posted with a weight limit of 13 tons. The superstructure consists of an asphalt wearing surface over a corrugated metal deck, supported by steel stringers. The substructure consists of concrete abutments and wing walls.

The superstructure is generally in good condition. The bearing plates are relatively thin shim plates and are in fair condition. The fascia beams have experienced a 1/16" section loss to portions of the bottom and top flanges and along the web. The substructure is in good condition. Approximately 25% of the south abutment surface exhibits honeycombing. Both abutments have random hairline cracks with the worst being at the east end of the north abutment. Scour and undermining is present at the east corner of the north abutment approximately 7" under the concrete ledge.

**Discuss Major Alterations:**

This bridge has modern abutments, wingwalls, and W-beam guardrails. The steel stringers may or may not be original. The bridge has been heavily modified.

**History:**

**When Built:** 1925 (reconstructed in 1974)

**Why Built:** Local transportation needs

**Who Built:** Unknown

**Why Altered:** Structural needs and safety

**Was this bridge built as part of an organized bridge building campaign:** Yes

**Surveyor Analysis:**

**This bridge may have NR significance for association with:**

☐ A Events ☐ Person

**\_\_C Engineering/Architectural**

**Was this bridge constructed in response to significant events in Maryland or local history:**

It is unknown whether this bridge was constructed in response to significant events in Maryland or local history.

**When the bridge was built and/or given a major alteration, did it have a significant impact on the growth and development of the area?**

It is unknown whether the construction and/or alteration of this bridge has had significant impact on the growth and development of the area.

**Is the bridge located in an area which may be eligible for historic designation and would the bridge add to or detract from historic and visual character of the possible district?**

No, this bridge is not located in an area which may be eligible for historic designation.

**Is the bridge a significant example of its type?**

This bridge is not a significant example of its type.

**Does the bridge retain integrity of the important elements described in the Context Addendum?**

No, this bridge does not appear to have retained the integrity of its primary character defining elements as defined within the Context Addendum. The abutments, wingwalls, and guardrails have been replaced. It is unknown whether the steel beams have been replaced.

**Should this bridge be given further study before significance analysis is made and Why?**

Further research of this bridge is not needed. This bridge does not retain its integrity as defined by the Context Addendum, and is not eligible for inclusion on the National Register of Historic Places.

**Bibliography:**

Greiner, Inc.

1995 Maryland Inventory of Historic Bridges.

Montgomery County

v.d. County Bridge Inspection Files.

Spero, P.A.C. & Company, and Louis Berger & Associates

1994 Historic Bridges in Maryland: Historic Bridge Context.

United States Geological Survey

1953 7.5' Urbana Quadrangle, photorevised 1984.

M:10-77

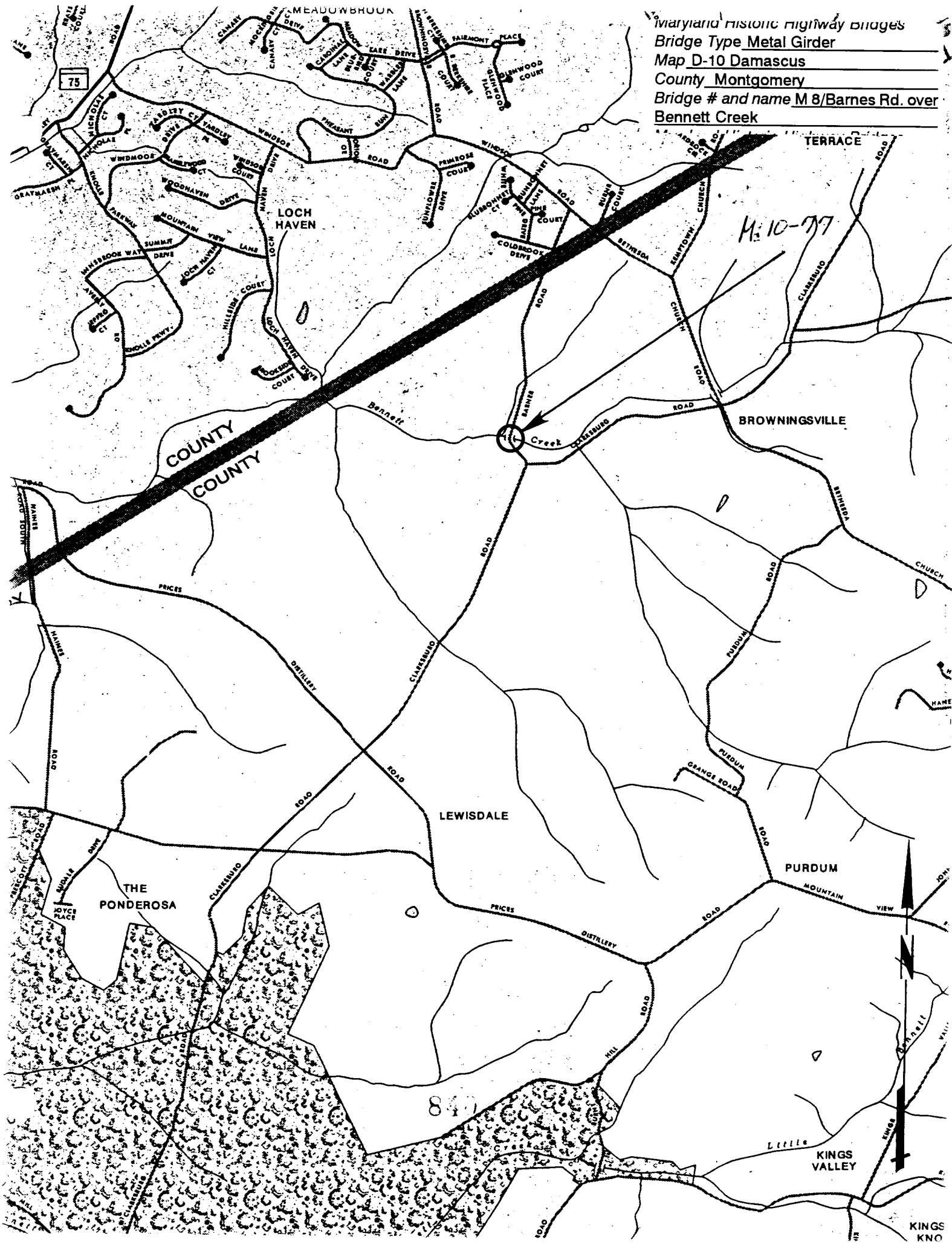
**Surveyor:**

**Name:** Jason D. Moser **Date:** September 1995

**Organization:** State Highway Admin. **Telephone:** (410) 321-2213

**Address:** 2323 West Joppa Road Brooklandville, MD 21022

Maryland Historic Highway Bridges  
Bridge Type Metal Girder  
Map D-10 Damascus  
County Montgomery  
Bridge # and name M 8/Barnes Rd. over  
Bennett Creek





Inventory # M: 10-77

Name M8 - BARNES RD OVER BENNETT CREEK

County/State MONTGOMERY MD

Name of Photographer FRANK JUHANO

Date 2/95

Location of Negative SAA

Description APPROACH NORTH

Number 1 <sup>4</sup>  
10 of 33





Inventory # M:10-77

Name MS-BARNES RD OVER BENNETT CREEK

County/State MONTGOMERY /MO

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description ELEVATION WEST

Number <sup>2</sup>X of <sup>4</sup>33



WEIGHT  
LIMIT  
13  
TONS

Inventory # M:10-77

Name M8 - BARNES RD OVER BENNETT CREEK

County/State MONTGOMERY / MD

Name of Photographer FRANK JUHANO

Date 2/95

Location of Negative SHA

Description APPROACH SOUTH

Number <sup>3</sup>12 of <sup>4</sup>13



Inventory # M:10-77

Name MS - BARNES RD OVER BENNETT CREEK

County/State MONTGOMERY | MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description ELEVATION EAST

Number <sup>4</sup>~~13~~ of <sup>4</sup>~~23~~